

Title (en)  
Anisotropically electroconductive adhesive and adhesive film

Title (de)  
Anisotropisch leitfähiger Kleber und Klebefilm

Title (fr)  
Adhésif anisotropiquement électroconducteur et film adhésif

Publication  
**EP 0996321 B1 20070516 (EN)**

Application  
**EP 99306548 A 19990819**

Priority  
JP 30076398 A 19981022

Abstract (en)  
[origin: EP0996321A2] An anisotropically electroconductive adhesive to be used for establishing electric connection between terminals of, for example, an IC chip and of a circuit pattern, at a low cost with high reliabilities both in the establishment of electric connection and in the insulation upon the connection without suffering from short-circuiting between circuit lines in the circuit and without causing any obstruction on the circuit, even when the terminals or the circuit lines are disposed at close intervals, which adhesive comprises an electrically insulating adhesive matrix and electroconductive particles dispersed in the matrix, wherein the electroconductive particles comprise at least two electroconductive particulate products of different average particle sizes and wherein each particle of both the particulate products is coated with an electrically insulating resin insoluble in the insulating adhesive matrix. <IMAGE>

IPC 8 full level  
**H05K 3/32** (2006.01); **H01L 21/60** (2006.01); **H01R 4/04** (2006.01)

CPC (source: EP)  
**H01L 24/29** (2013.01); **H01L 24/83** (2013.01); **H01R 4/04** (2013.01); **H05K 3/323** (2013.01); **H01L 2224/29101** (2013.01); **H01L 2224/2919** (2013.01); **H01L 2224/29399** (2013.01); **H01L 2224/29499** (2013.01); **H01L 2224/32225** (2013.01); **H01L 2224/73204** (2013.01); **H01L 2224/8319** (2013.01); **H01L 2224/838** (2013.01); **H01L 2924/01005** (2013.01); **H01L 2924/01006** (2013.01); **H01L 2924/01019** (2013.01); **H01L 2924/01029** (2013.01); **H01L 2924/01033** (2013.01); **H01L 2924/01049** (2013.01); **H01L 2924/0105** (2013.01); **H01L 2924/01078** (2013.01); **H01L 2924/01079** (2013.01); **H01L 2924/014** (2013.01); **H01L 2924/0665** (2013.01); **H01L 2924/07802** (2013.01); **H01L 2924/0781** (2013.01); **H01L 2924/14** (2013.01); **H05K 2201/0221** (2013.01); **H05K 2201/0224** (2013.01); **H05K 2201/0233** (2013.01); **H05K 2201/0266** (2013.01); **H05K 2201/10674** (2013.01)

C-Set (source: EP)  
1. **H01L 2924/0665 + H01L 2924/00**  
2. **H01L 2224/2919 + H01L 2924/0665 + H01L 2924/00**  
3. **H01L 2224/29101 + H01L 2924/014 + H01L 2924/00**  
4. **H01L 2924/07802 + H01L 2924/00**

Citation (examination)  
GB 1477780 A 19770629 - SEIKOSHA KK

Cited by  
EP1426979A4; CN103177795A; CN109949968A; EP2182585A1; KR100732017B1; EP2282374A1; EP1628363A4; US7846547B2; TWI629691B; US8043709B2; US8202622B2; US8501045B2; TWI396487B; TWI455151B

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0996321 A2 20000426; EP 0996321 A3 20030212; EP 0996321 B1 20070516; DE 69936089 D1 20070628; DE 69936089 T2 20080110**

DOCDB simple family (application)  
**EP 99306548 A 19990819; DE 69936089 T 19990819**